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(54) Title: POSITION DETECTOR

(57) Abstract: The invention pertains to a position detector which, in its simplest form of embodiment, has two induction coils but only one individual pulse wire. All information required, for example for a count, is simultaneously available from the triggering direction of the magnetic reversal and the magnetic reversal direction of the pulse wire, together with the last established and stored position and polarity. One such position detector operates using memory elements having low energy requirements, such as FRAMs, and also without external energy. In order to be able to use one such position detector even at high temperatures, it can also be fitted with an EEPROM.

